

4.2.E. 0513010805.

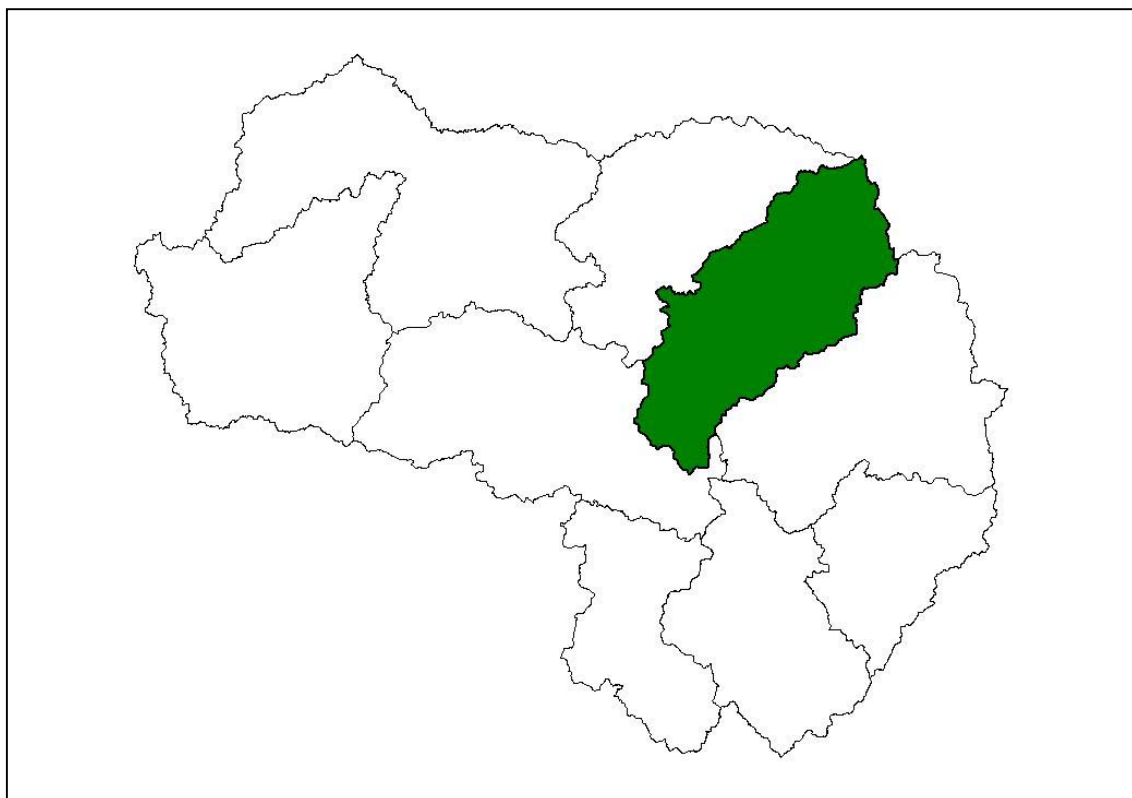


Figure 4-41. Location of Subwatershed 0513010805. All Caney Fork HUC-10 subwatershed boundaries are shown for reference.

4.2.E.i. General Description.

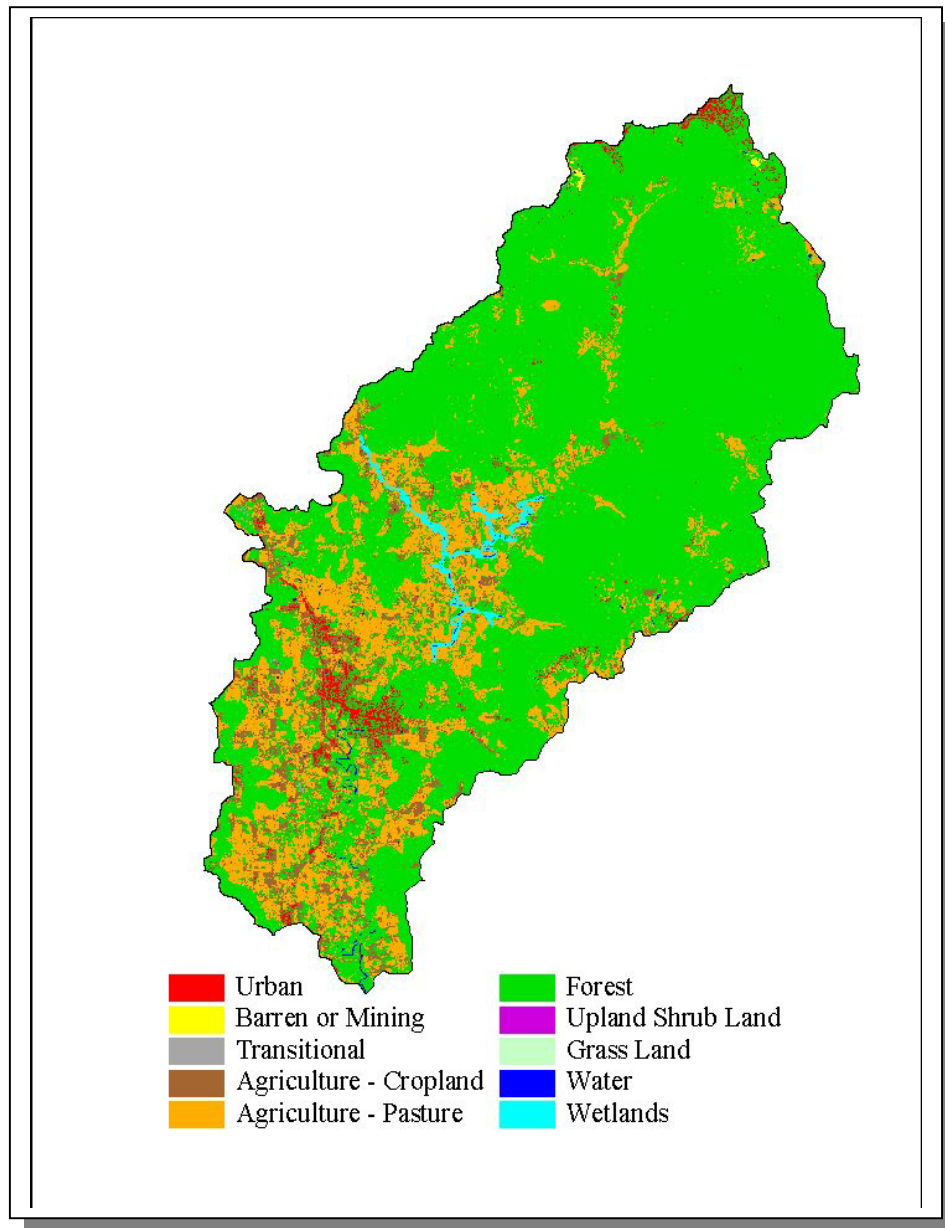


Figure 4-42. Illustration of Land Use Distribution in Subwatershed 0513010805.

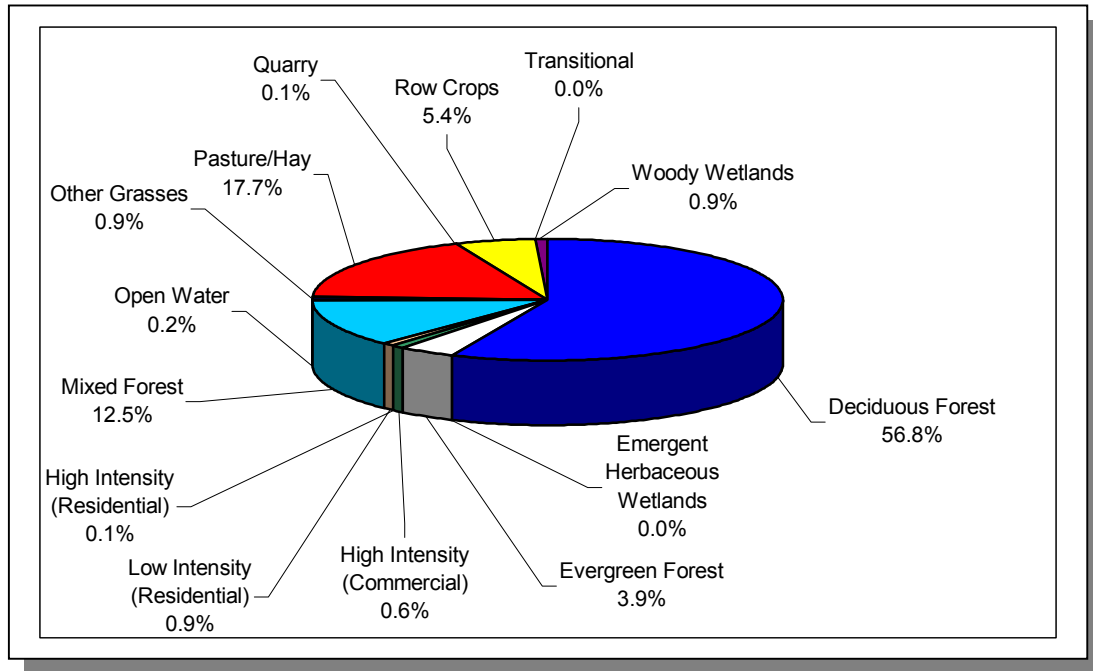


Figure 4-43. Land Use Distribution in Subwatershed 0513010805. More information is provided in Caney Fork-Appendix IV.

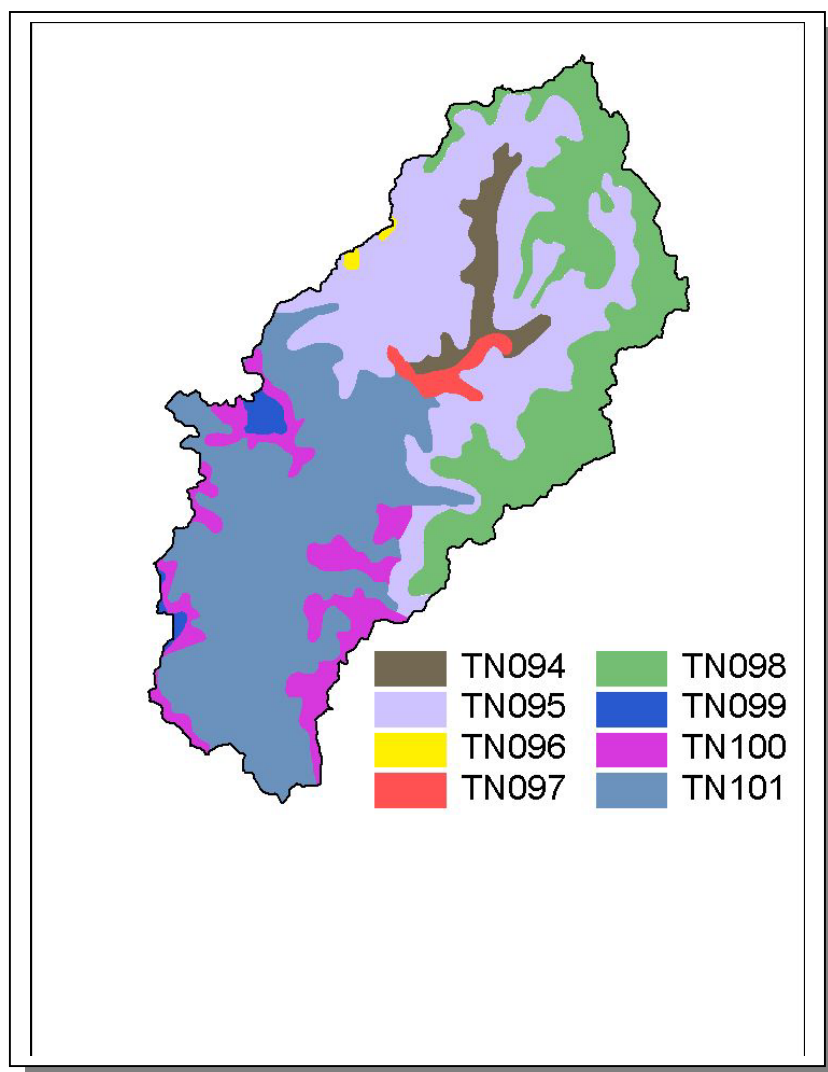


Figure 4-44. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010805.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hr)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN094	0.00	B	1.73	4.70	Loam	0.24
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	1.00	C	1.22	5.16	Silty Loam	0.38
TN097	0.00	B	1.62	5.55	Loam	0.32
TN098	1.00	C	3.98	4.82	Loam	0.32
TN099	1.00	B	1.65	4.98	Silty Loam	0.33
TN100	0.00	B	1.14	3.35	Silty Loam	0.21
TN101	0.00	B	1.71	5.39	Loam	0.35

Table 4-26. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010805. More information is provided in Caney Fork-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Cumberland	34,736	43,217	0.99	343	426	24.2
Putnam	51,373	58,326	14.24	7,315	8,305	13.5
White	20,090	22,201	36.71	7,396	8,151	10.5
Total	106,199	123,744		15,034	16,882	12.3

Table 4-27. Population Estimates in Subwatershed 0513010805.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Doyle	White	359	150	10	129	11
Sparta	White	4,681	2,034	1,760	267	7
Monterey	Putnam	2,559	1,113	875	228	10
Totals		3,506	3,297	2,645	624	28

Table 4-28. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0513010805.

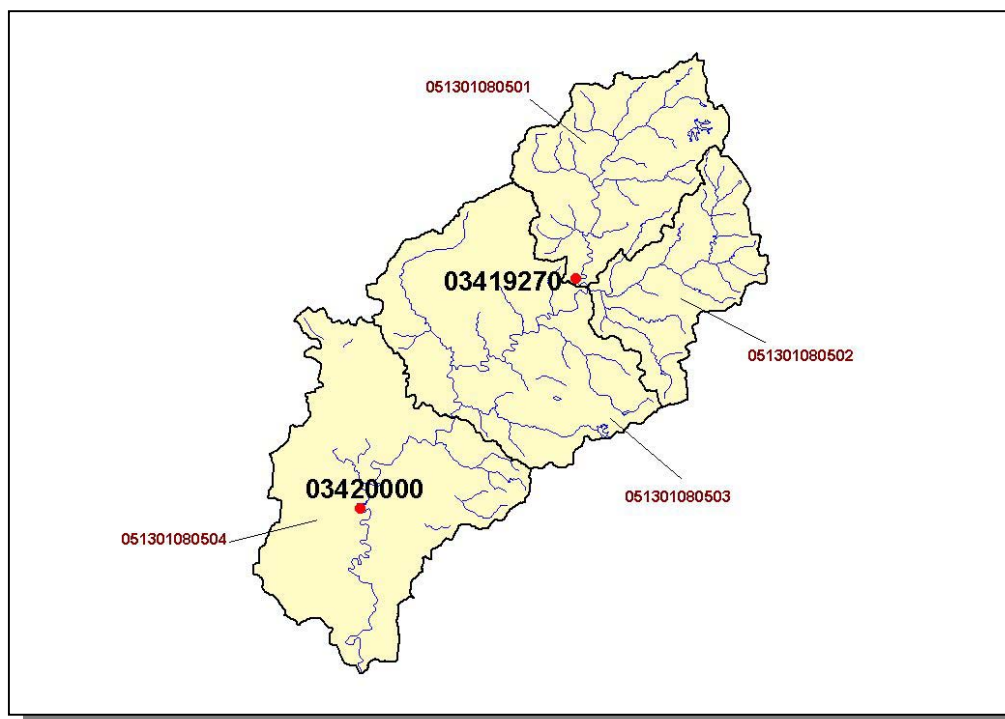


Figure 4-45. Location of Historical Streamflow Data Collection Sites in Subwatershed 0513010805. Subwatershed 051301080501, 051301080502, 051301080503, and 051301080504 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

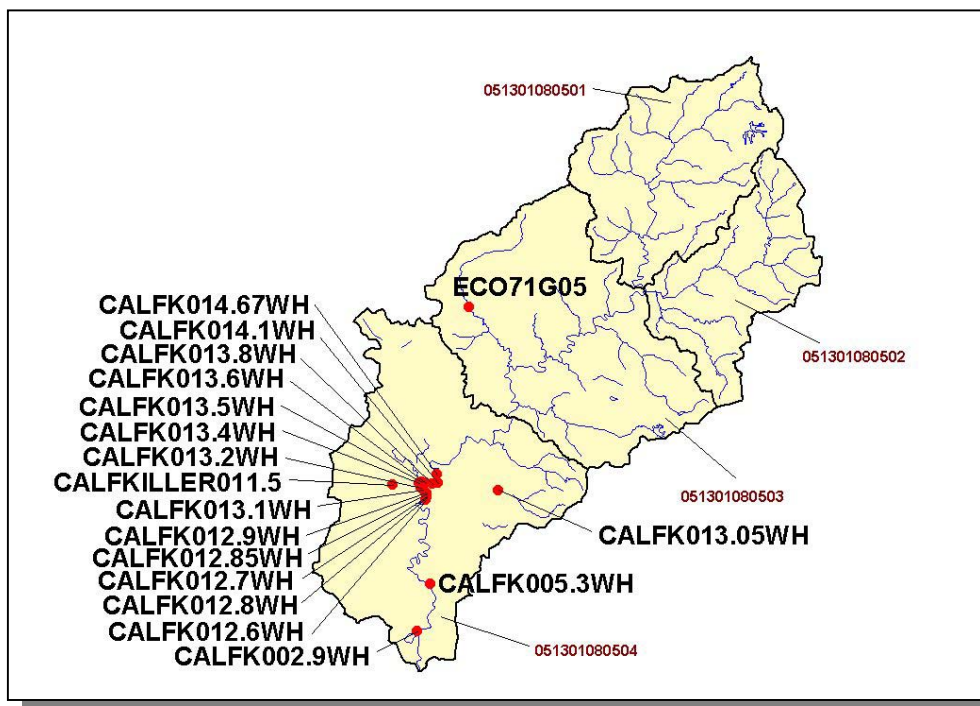


Figure 4-46. Location of STORET Monitoring Sites in Subwatershed 0513010805. Subwatershed 051301080501, 051301080502, 051301080503, and 051301080504 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

4.2.E.ii. Point Source Contributions.

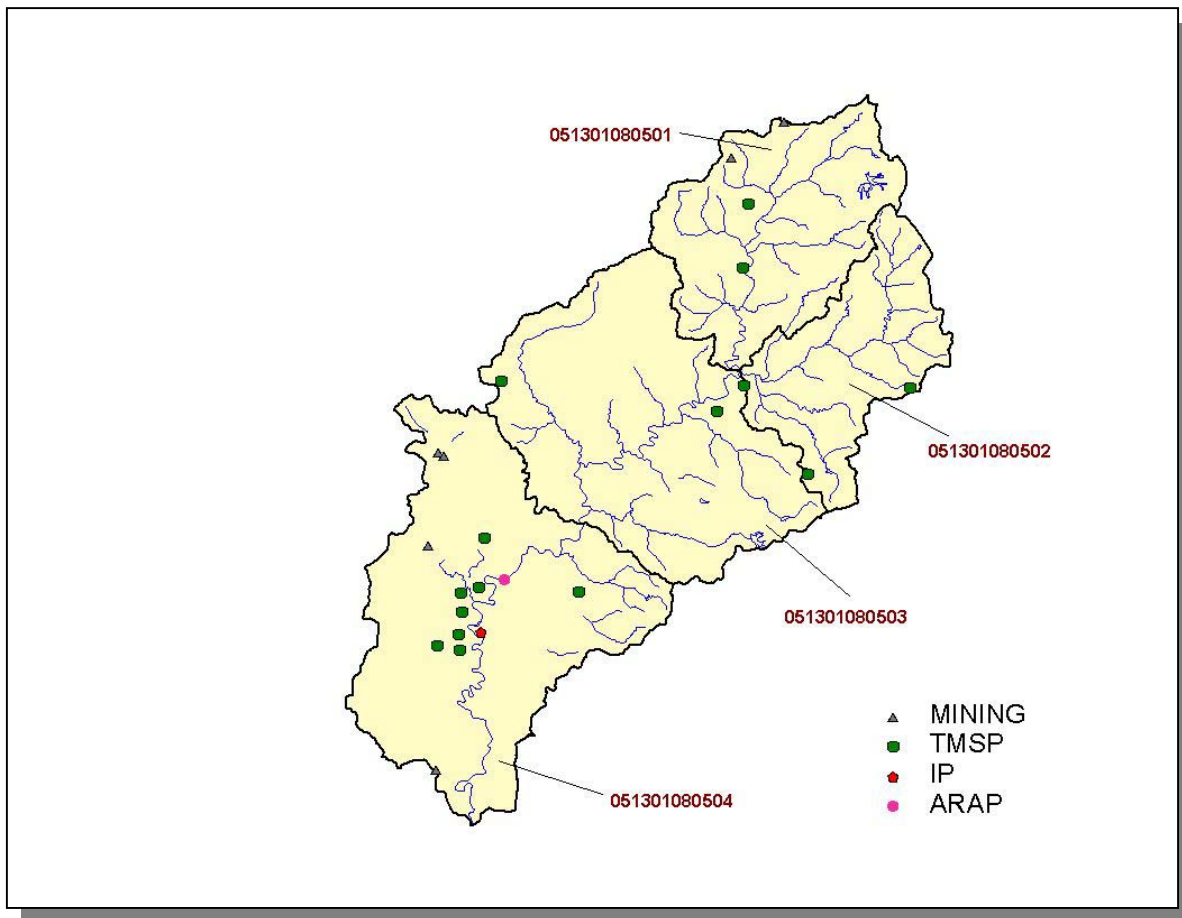


Figure 4-47. Location of Active Point Source Facilities in Subwatershed 0513010805. Subwatershed 051301080501, 051301080502, 051301080503, and 051301080504 boundaries are shown for reference. More information is provided in the following figures.

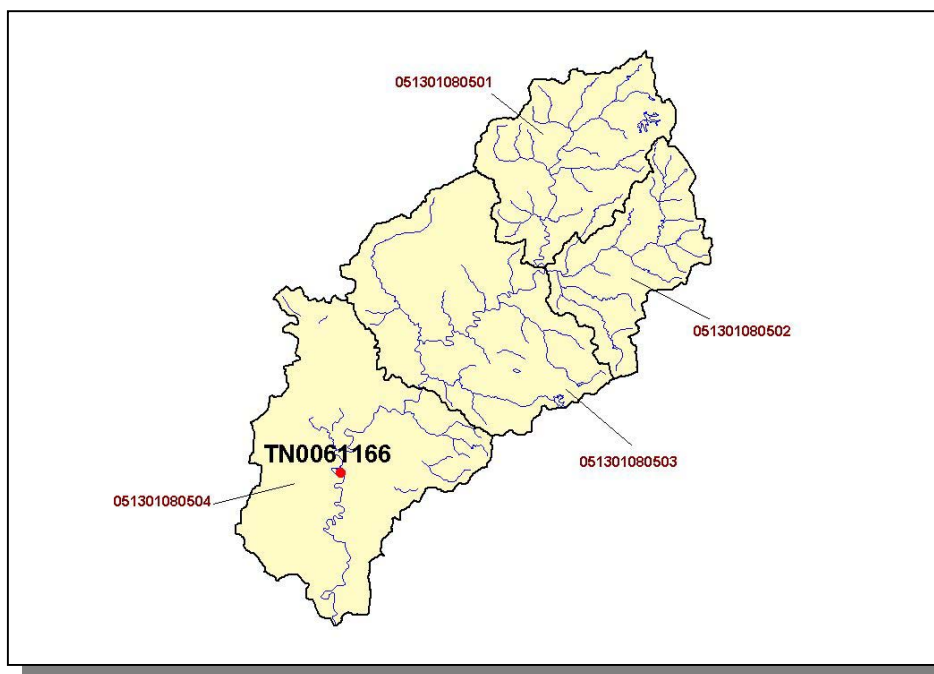


Figure 4-48. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 0513010805. Subwatershed 051301080501, 051301080502, 051301080503, and 051301080504 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

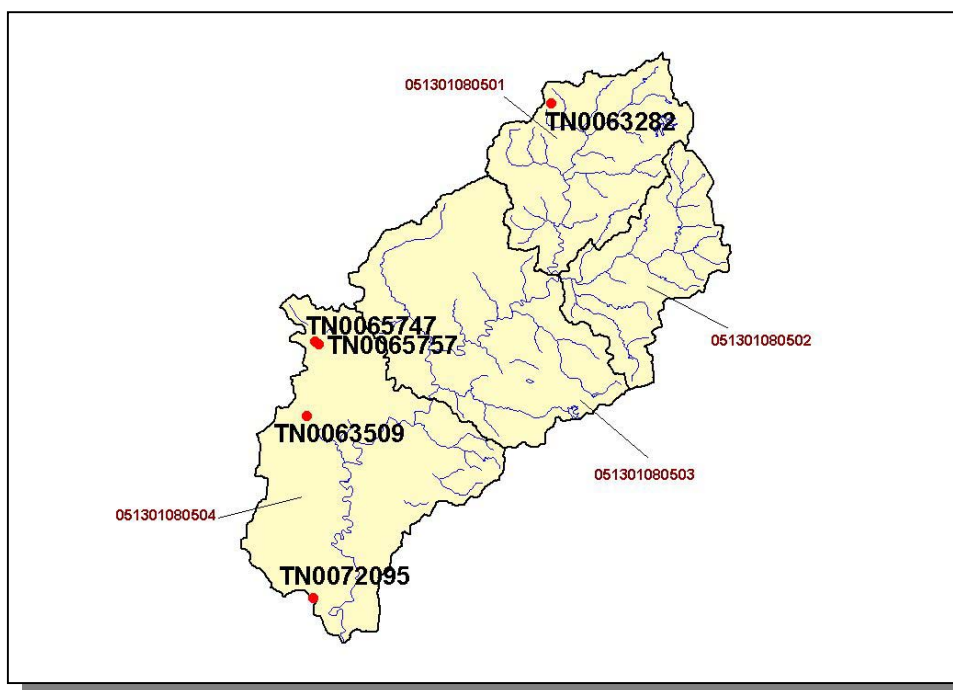


Figure 4-49. Location of Active Mining Sites in Subwatershed 0513010805. Subwatershed 051301080501, 051301080502, 051301080503, and 051301080504 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

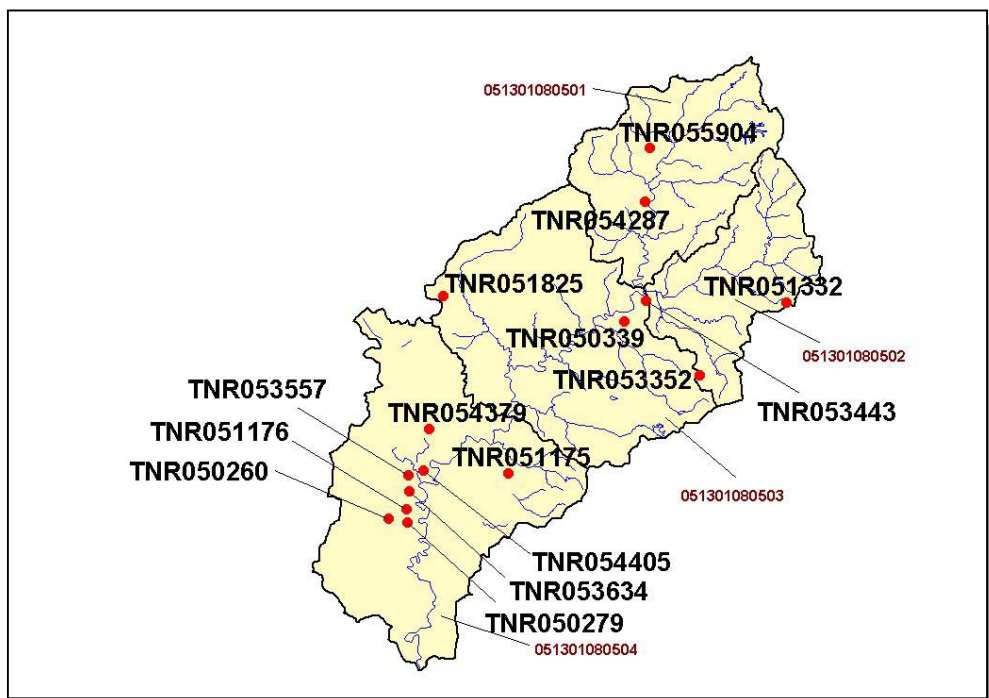


Figure 4-50. Location of TMSP Facilities in Subwatershed 0513010805. Subwatershed 051301080501, 051301080502, 051301080503, and 051301080504 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

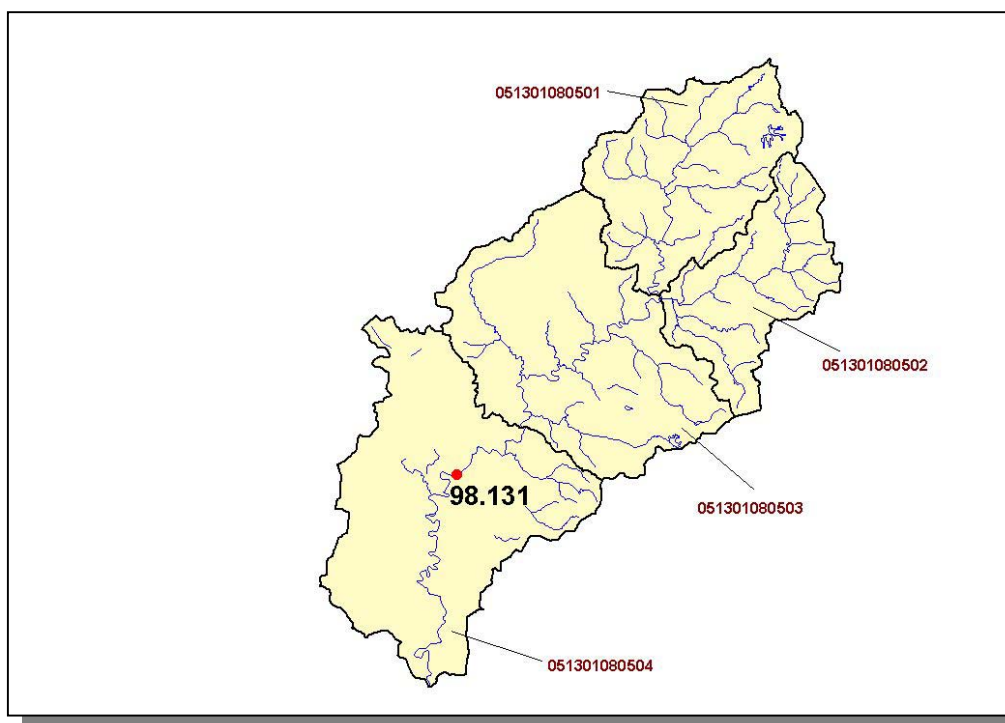


Figure 4-51. Location of ARAP Sites (Individual Permits) in Subwatershed 0513010805. Subwatershed 051301080501, 051301080502, 051301080503, and 051301080504 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

4.2.E.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Milk Cow	Cattle	Chickens	Chickens Sold	Hogs	Sheep
7,872	1,301	16,565	13	0	670	40

Table 4-29. Summary of Livestock Count Estimates in Subwatershed 0513010805. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cumberland	320.3	320.3	5.9	22.5
Putnam	152.5	152.3	3.6	16.4
Van Buren	145.0	135.4	2.3	9.5
White	129.4	129.4	4.9	23.3
Totals	747.2	737.4	16.7	71.7

Table 4-30. Forest Acreage and Annual Removal Rates (1987-1994) in Subwatershed 0513010805.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.82
Legume (Pastureland)	0.15
Grass, Forbs, Legumes (Mixed Pasture)	0.54
Legume (Hayland)	0.43
Grass (Hayland)	0.66
Legume/Grass (Hayland)	0.36
Grass, Forbs, Legumes (Mixed Pasture)	0.54
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Soybeans (Row Crops)	6.26
Corn (Row Crops)	11.52
Tobacco (Row Crops)	7.94
Wheat (Close Grown Cropland)	6.10
All Other Close Grown Cropland	0.67
Conservation Reserve Program Land	0.13
Other Vegetable and Truck Crops	14.54
Fruit (Horticulture)	0.08
Other (Horticulture)	3.72
Farmsteads and Ranch Headquarters	0.36
Other Cropland not Planted	2.26
Non Agricultural Land Use	0.00
Other Land in Farms	0.25

Table 4-31. Annual Estimated Soil Loss in Subwatershed 0513010805.